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Abstract

The invention relates to a multi-cylinder internal combustion engine and to a method for operating a multi-cylinder internal combustion engine.

The cylinders are assigned an exhaust line and in each case a gas inlet valve (E) and a gas outlet valve (A) which are used for the charge cycle. In addition, at least one of the cylinders (1 - 6) of the internal combustion engine (B) has an additional outlet valve (Z) through which, in the opened state, a flow connection can be established between the combustion chamber and the exhaust line.

According to the invention, an exhaust gas composition and/or exhaust temperature which are gas compared to the normal operating mode and promote the regeneration of the exhaust gas cleaning unit can be set in conjunction with a regeneration operating mode for regenerating an exhaust gas cleaning unit which is arranged in the exhaust line by activating additional outlet valve (Z) of at least one cylinder, the method there is provision additional outlet valve (Z) of at least one cylinder is at least temporarily in conjunction regeneration of the exhaust gas cleaning unit.

Fig.